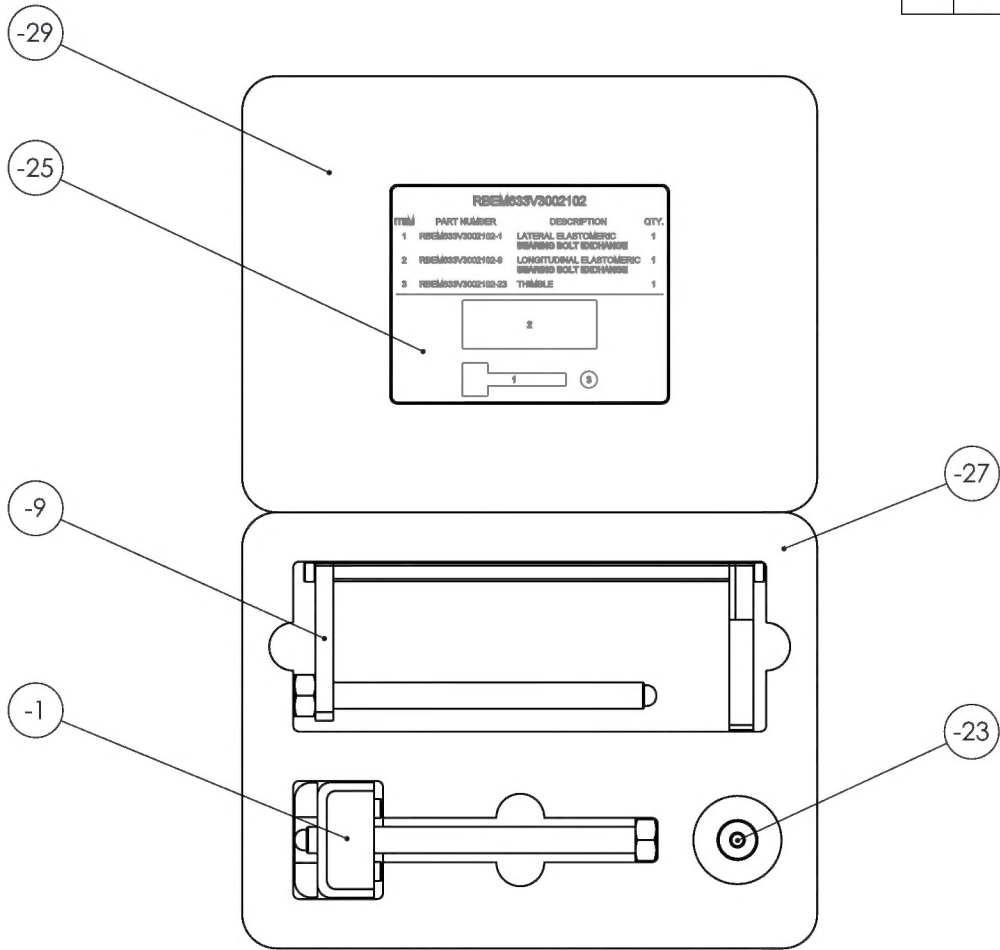


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	6/17/2016	DPD	JAG
2	16-0180	<b>-13, -15</b> CH'D MAT'L WAS 1018/1020 CR IS A36/1018/1020 HR. <b>-27, -29</b> CH'D MAT'L WAS Y-20, BLACK IS ETHAFOAM 220, BLACK, CH'D VENDOR WAS (I.R. SPECIALTY) IS (CASE SOLUTIONS). <b>-27</b> DELETED DIM 4X R.72. ADDED DIMS 4X 1.00, 4X 45°. <b>-29</b> DELETED DIM 4X R.45. ADDED DIMS 4X .63, 4X 45°.	10/20/2016	DPD	JAG



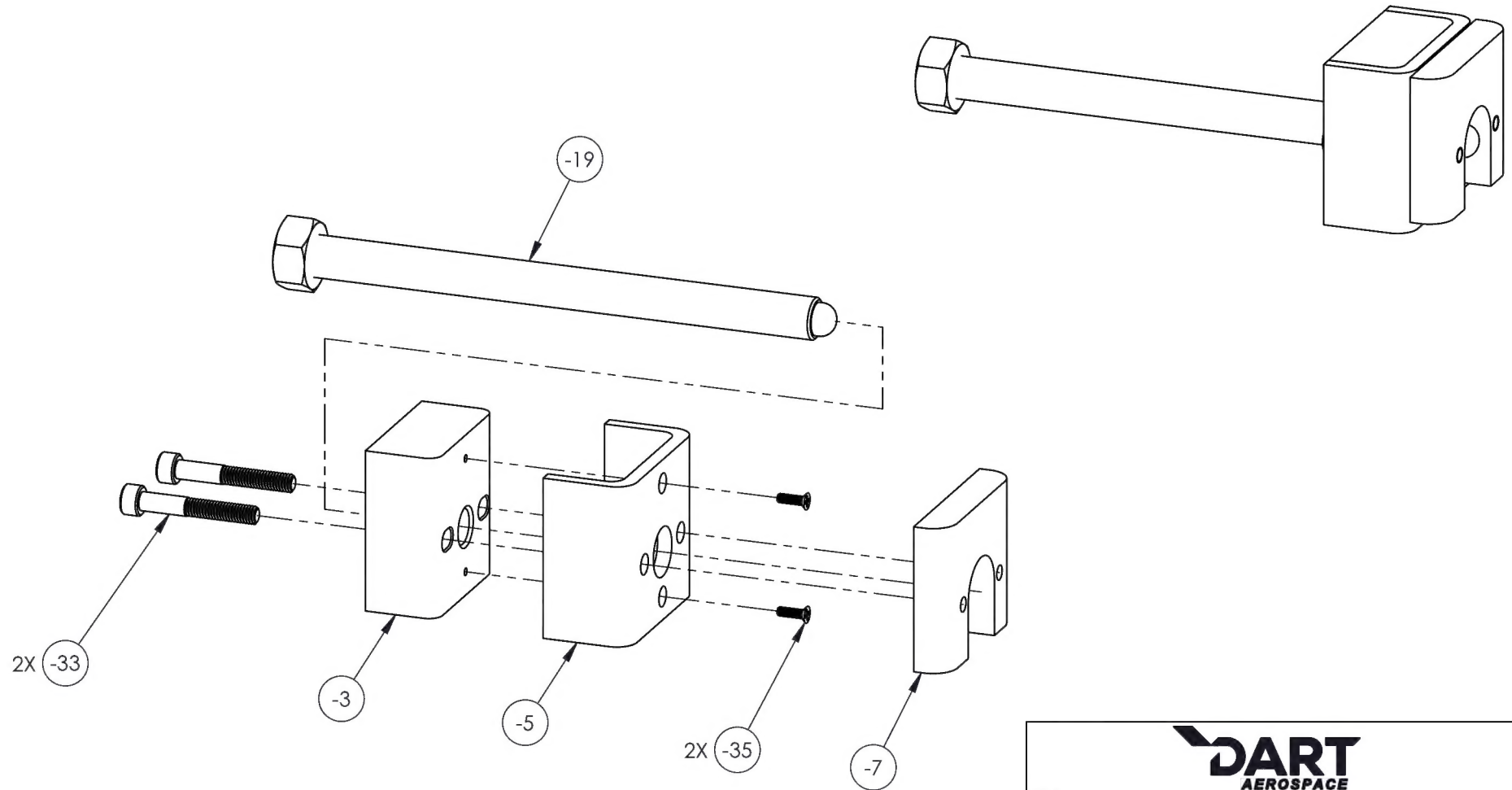
ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		X		-1	1	LATERAL ELASTOMERIC BEARING BOLT EXCHANGE			2
		1		-3		LATERAL BASE	1018/1020 CR		3
		1		-5		LATERAL PAD	WHITE DELRIN/ACETAL		4
		1		-7		LATERAL CLAMP PLATE	6061		5
	X			-9	1	LONGITUDINAL ELASTOMERIC BEARING BOLT EXCHANGE			6
	1			-11		LONGITUDINAL BACK PLATE	1018/1020 CR		7
	1			-13		LONGITUDINAL BASE PLATE	A36/1018/1020 HR		8
	1			-15		LONGITUDINAL BOLT PLATE	A36/1018/1020 HR		9
	1			-17		LONGITUDINAL PAD	WHITE DELRIN/ACETAL		10
X	1	1		-19		BOLT			11
1				-21		THREADED ROD	B7	M14 X 2mm (MCMaster-CARR #93325A340) MODIFIED	12
				-23	1	THIMBLE	6061		13
				-25	1	PLACARD	PLASTIC		14
			B/O	-27	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	3.95 X 9.08 X 11.98 (CASE SOLUTIONS)	15
			B/O	-29	1	TOP FOAM	ETHAFOAM 220, BLACK	1.20 X 9.08 X 11.98 (CASE SOLUTIONS)	16
1			B/O	-31		HEX NUT	STEEL	M14 X 2mm (MCMaster-CARR #90592A032)	11
		2	B/O	-33		SOCKET HEAD CAP SCREW	STEEL	M6 X 1mm X 40mm (MCMaster-CARR #90128A268)	2
		2	B/O	-35		FLAT HEAD PHILLIPS MACHINE SCREW	STEEL	M3 X 0.5mm X 10mm (MCMaster-CARR #91420A120)	2
	4		B/O	-37		SOCKET HEAD CAP SCREW	STEEL	M6 X 1mm X 25mm (MCMaster-CARR #90128A265)	6
			B/O	-39	1	CASE	PLASTIC	PELICAN #APP-1400-E	N/S
			B/O		1	PLACARD	ALUMINUM	RB41011	N/S
ASSY -19	ASSY -9	ASSY -1							

NOTE:  
REF. AIRBUS T/N: M633V3002101.

DART AEROSPACE			
TITLE ELASTOMERIC BEARING BOLT EXCHANGE			
DWG NO. RBEM633V3002102			REV 2
MAT'L		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: DUERFELDT		.X ± .1 SURFACES = 125✓	
CHECKED: CLOUGH		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:4		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DATE 4/6/2016		USED ON MODEL	
		H175	
		SHEET 1 OF 16	

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				APPROVED

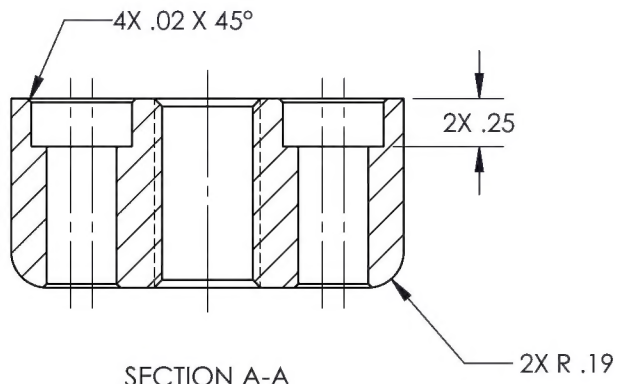
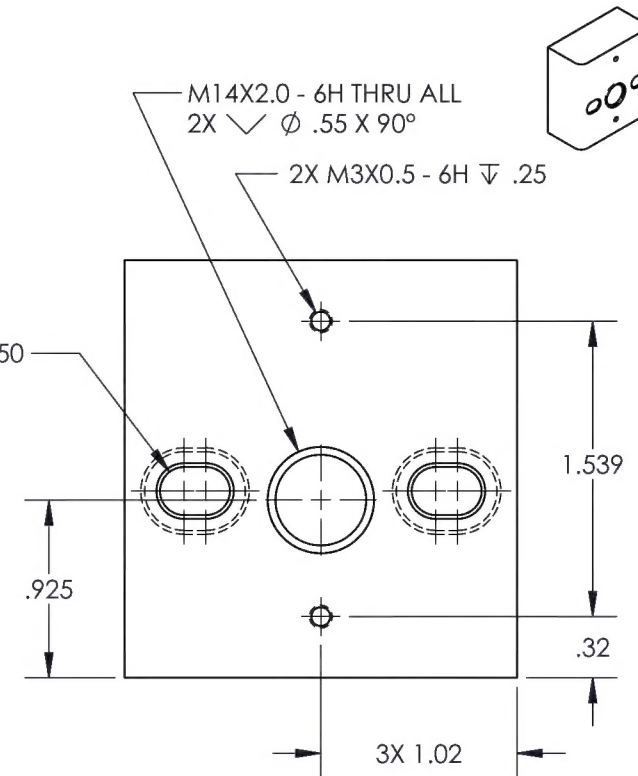
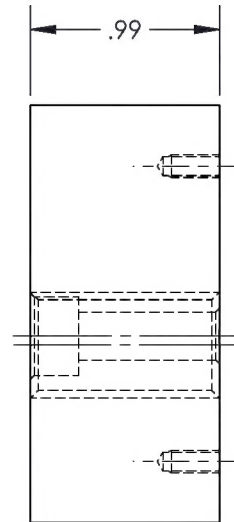
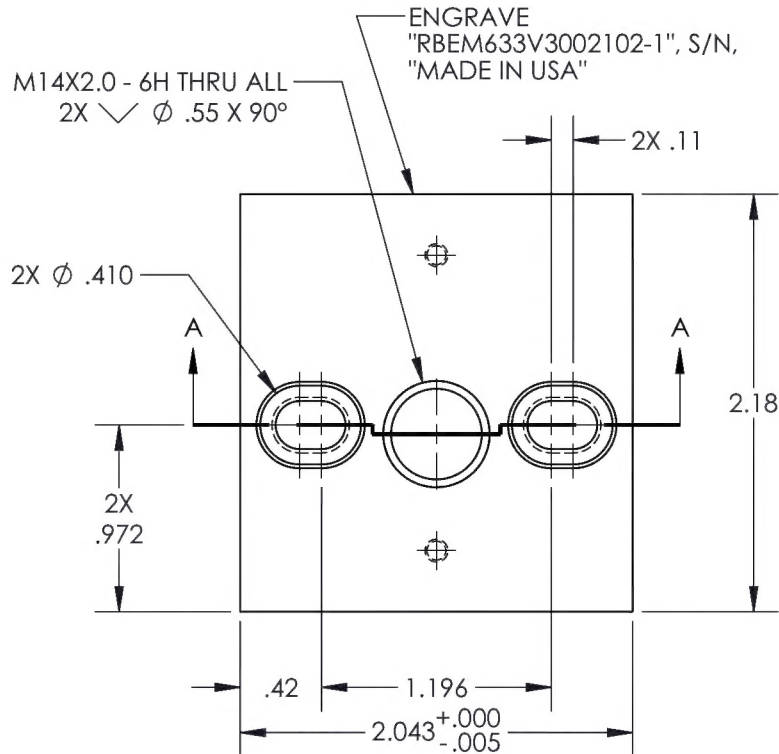


LATERAL ELASTOMERIC BEARING BOLT EXCHANGE

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-1	REV 2
MAT'L FEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:2	DATE 4/6/2016
SHEET 2 OF 16	

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SECTION A-A

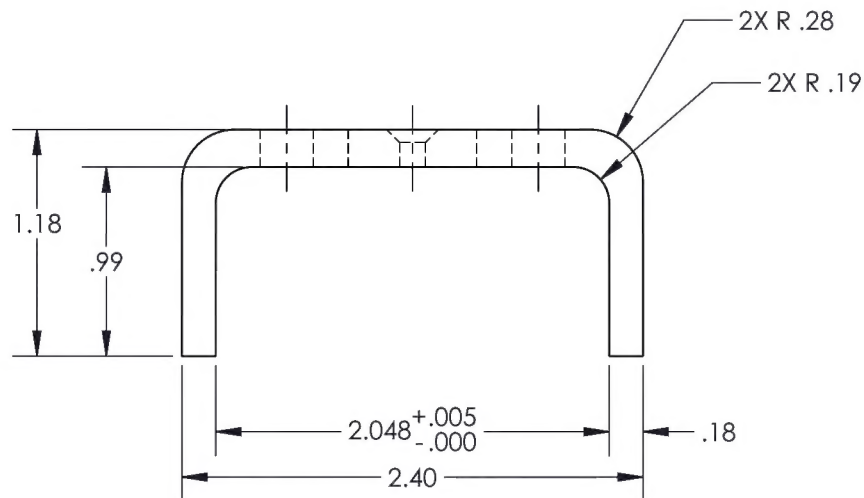
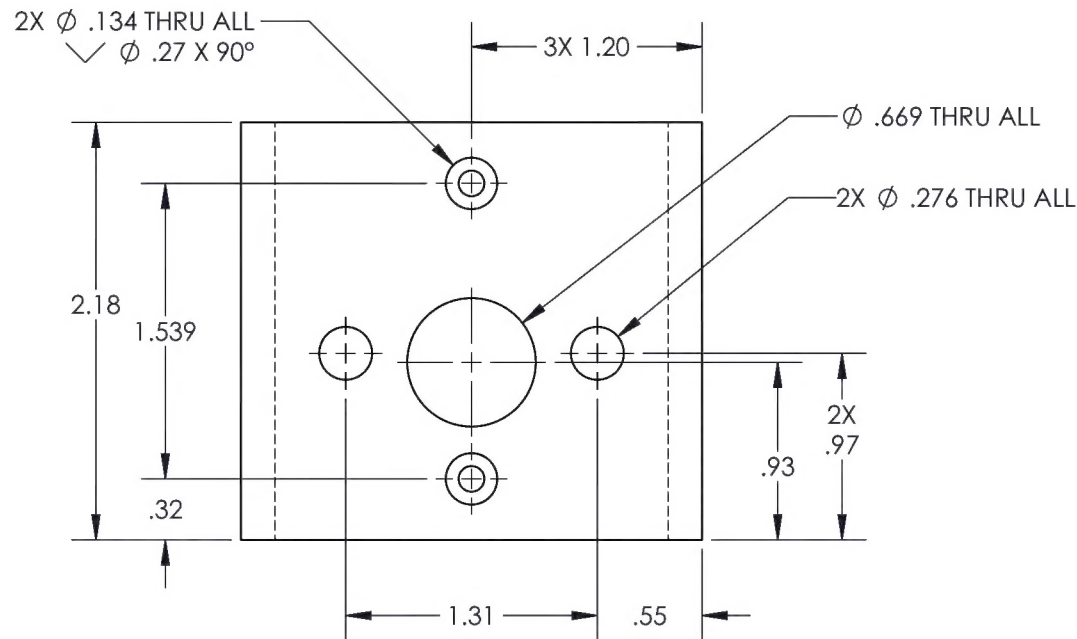
(-3)

LATERAL BASE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-3	REV 2
MAT'L 1018/1020 CR HEAT TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT CHECKED: CLOUGH OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
USED ON MODEL H175	
SCALE 1:1	DATE 4/6/2016
SHEET 3 OF 16	

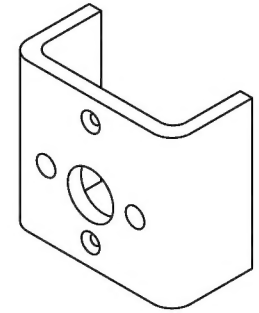
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(-5)

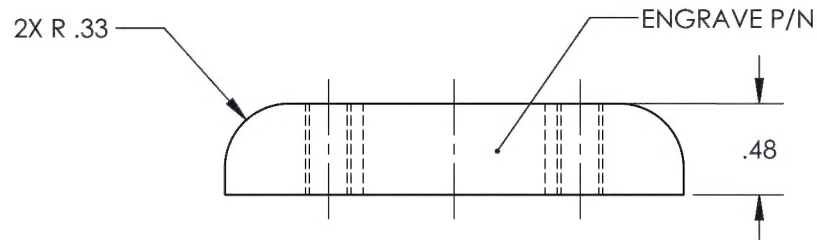
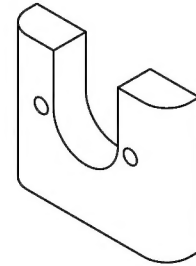
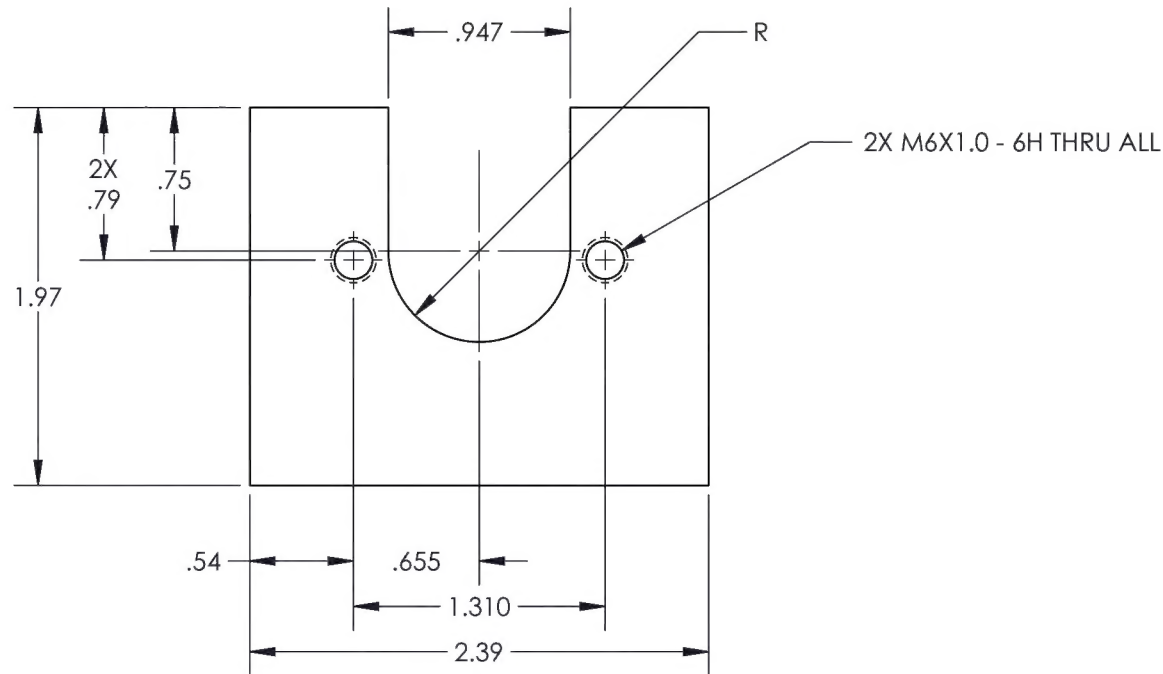
LATERAL PAD



<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-5	REV 2
MAT'L WHITE DELRIN/ACETAL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 4/6/2016
	SHEET 4 OF 16

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				APPROVED



(-7)

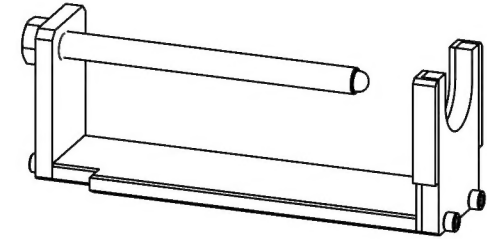
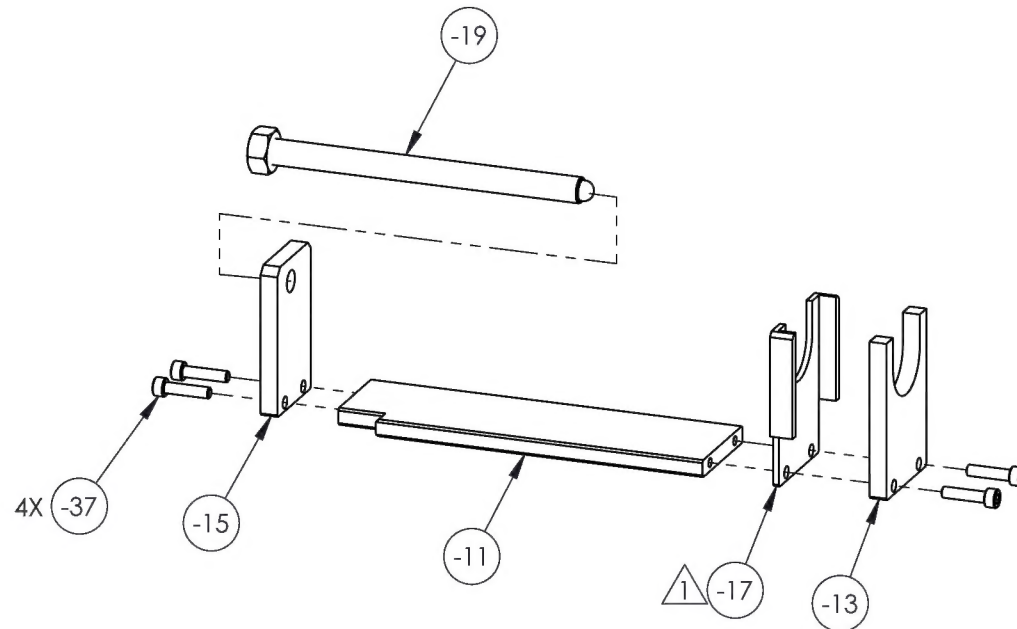
LATERAL CLAMP PLATE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-7	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 4/6/2016
	SHEET 5 OF 16



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				APPROVED



**NOTE:**

- 1 USE APPROPRIATE ADHESIVE TO ATTACH  
-17 LONGITUDINAL PAD TO -13 LONGITUDINAL  
BASE PLATE.



TITLE  
**ELASTOMERIC BEARING BOLT EXCHANGE**

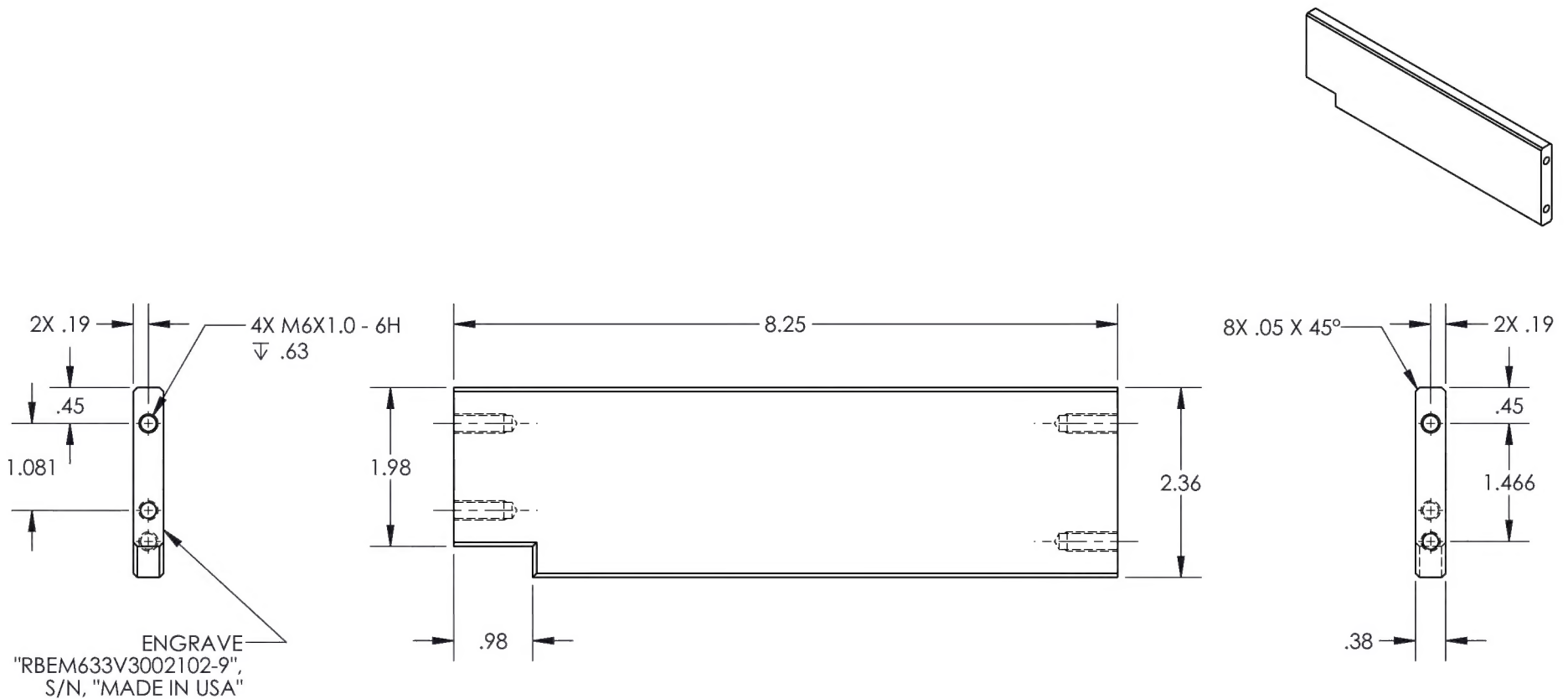
DWG NO. **RBEM633V3002102-9** REV **2**

MAT'L		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY:		.X ± .1 SURFACES = 125°	
CHECKED:		1. BREAK ALL SHARP EDGES	
OPPS APPR:		.015 x 45° OR .015R	
QA APPR:		2. DIMENSIONAL LIMITS APPLY	
APPROVED:		AFTER PLATING	
SCALE		3. INTERPRET DIM AND TOL PER	
1:4		ASME Y14.5M-2009	
DATE		USED ON MODEL	
4/6/2016		H175	
SHEET 6 OF 16			

LONGITUDINAL ELASTOMERIC BEARING BOLT EXCHANGE

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REV	ECR	DESCRIPTION	DATE
			INITIAL
			APPROVED



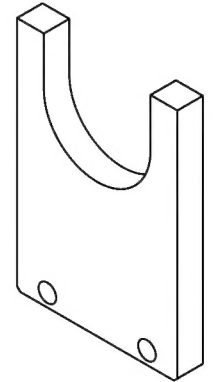
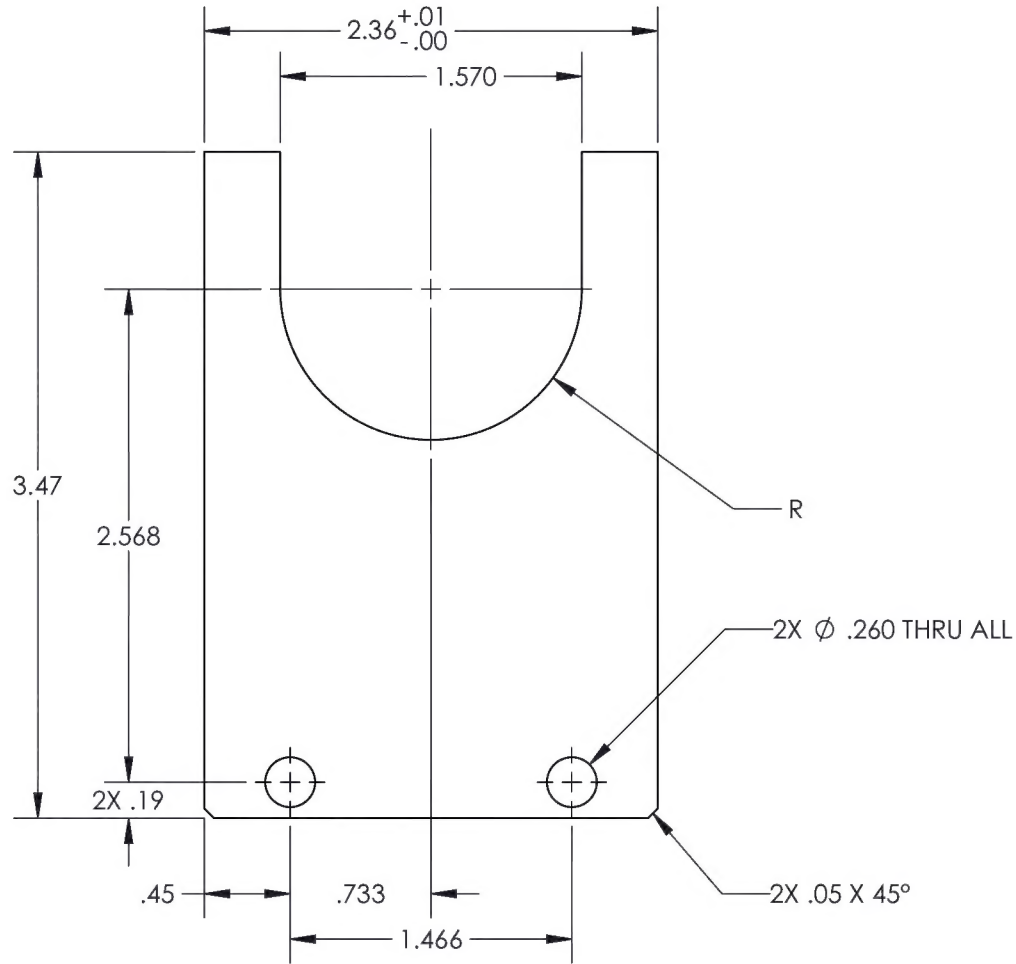
(-11)

LONGITUDINAL BACK PLATE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-11	REV 2
MAT'L 1018/1020 CR TREAT FINISH ZINC PLATE SPEC ASTM B633 TYPE I SC 2	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 4/6/2016
SHEET 7 OF 16	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
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(-13)

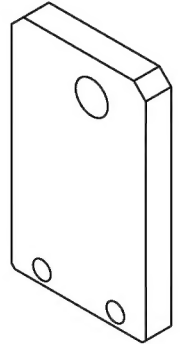
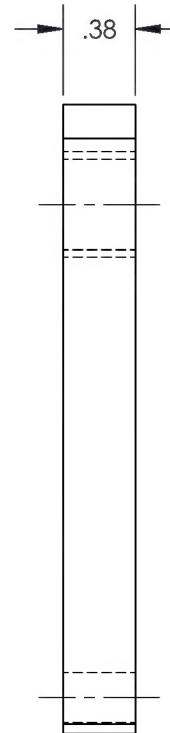
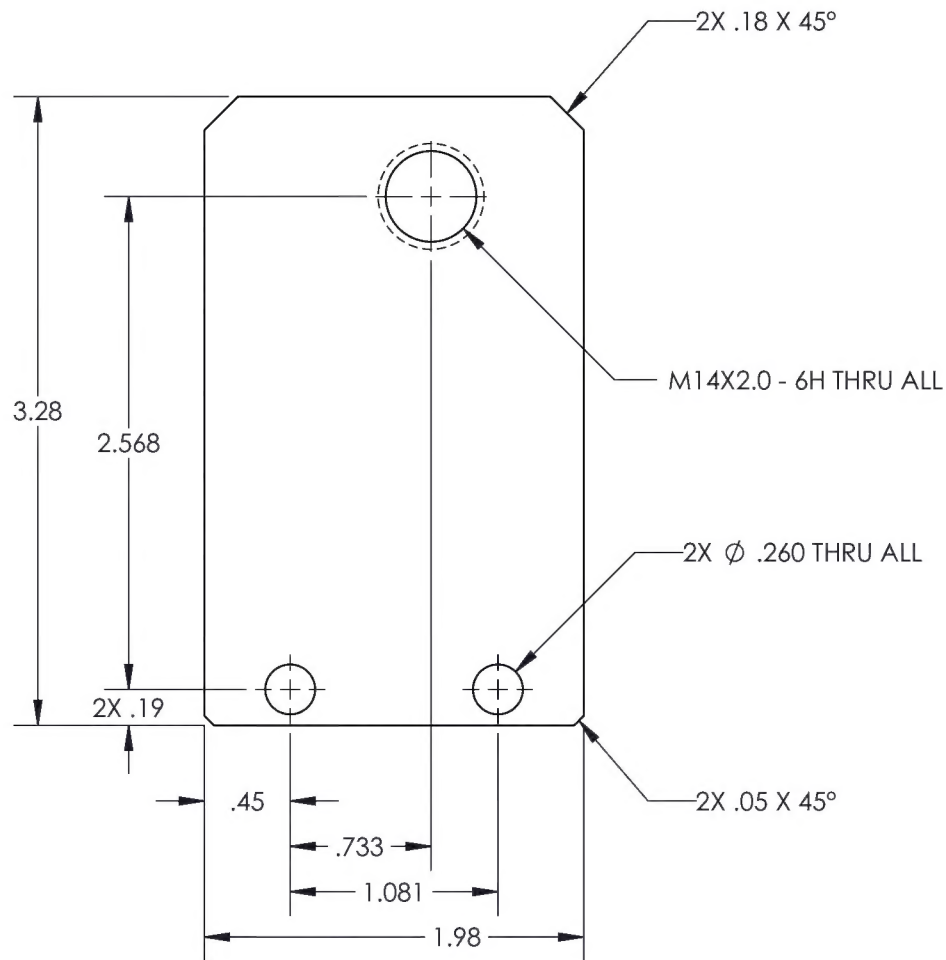
LONGITUDINAL BASE PLATE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-13	REV 2
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± .5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/6/2016	USED ON MODEL
SHEET 8 OF 16	H175



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2	16-0180	-15 CH'D MAT'L WAS 1018/1020 CR IS A36/1018/1020 HR.	10/20/2016	DPD	JAG



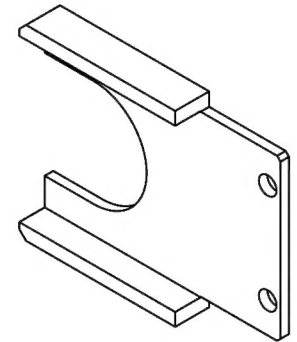
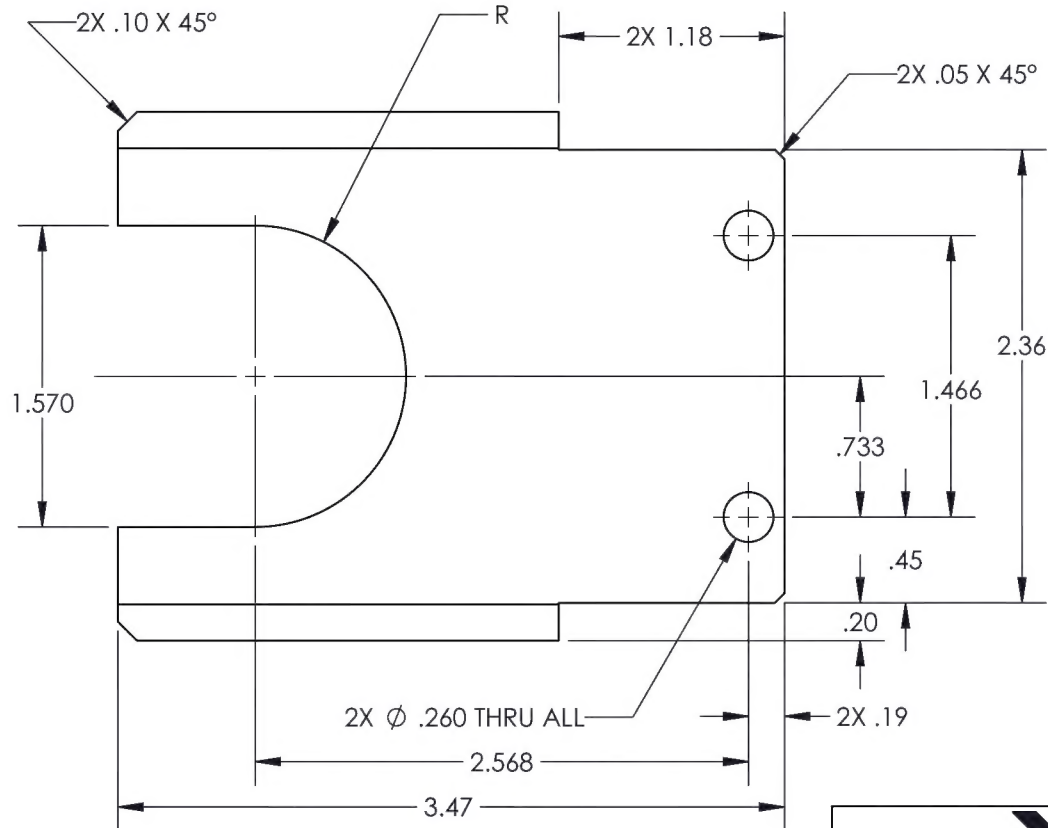
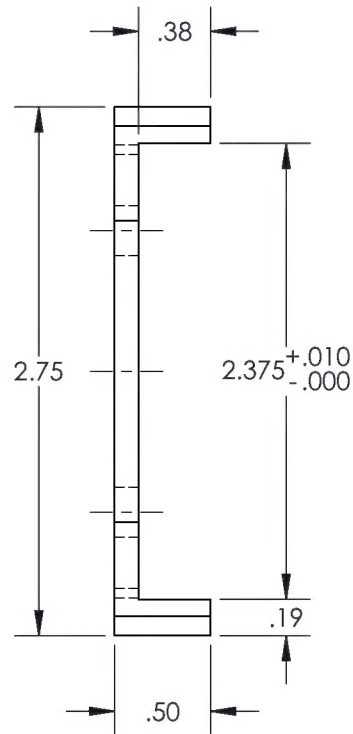
(15)

LONGITUDINAL BOLT PLATE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-15	REV 2
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH ZINC PLATE	.XXX ± .005 FRACTIONS ± 1/8
SPEC ASTM B633 TYPE I SC 2	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	DATE 4/6/2016
SHEET 9 OF 16	

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REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



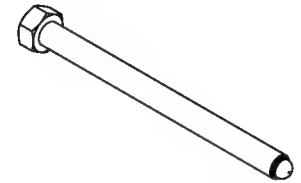
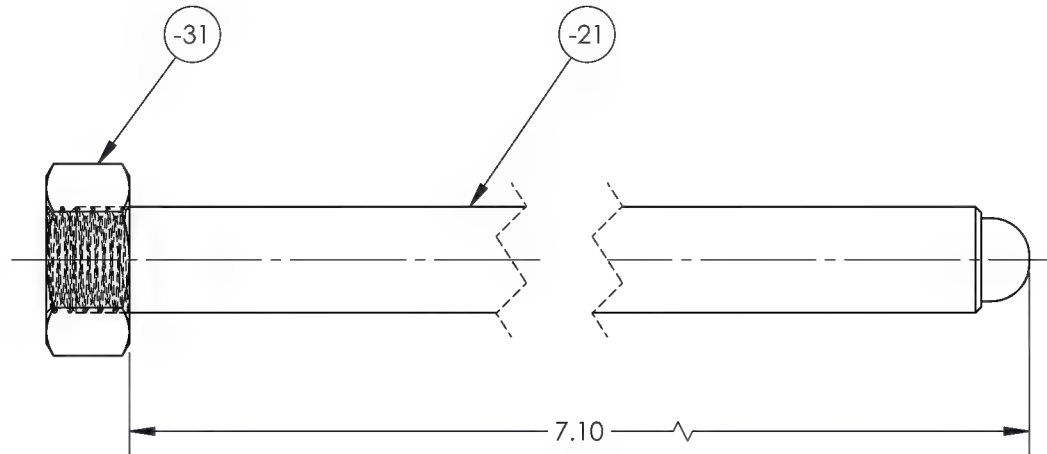
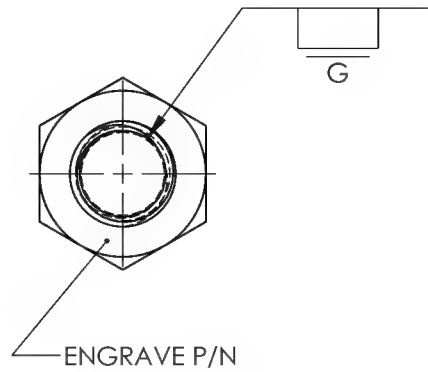
(-17)

LONGITUDINAL PAD

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-17	REV 2
MAT'L WHITE DELRIN/ACETAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/8	
.XX ± .01 ANGLES ± .5°	
.X ± .1 SURFACES = 125°	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL H175	
SCALE 1:1	DATE 4/6/2016
SHEET 10 OF 16	

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REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED

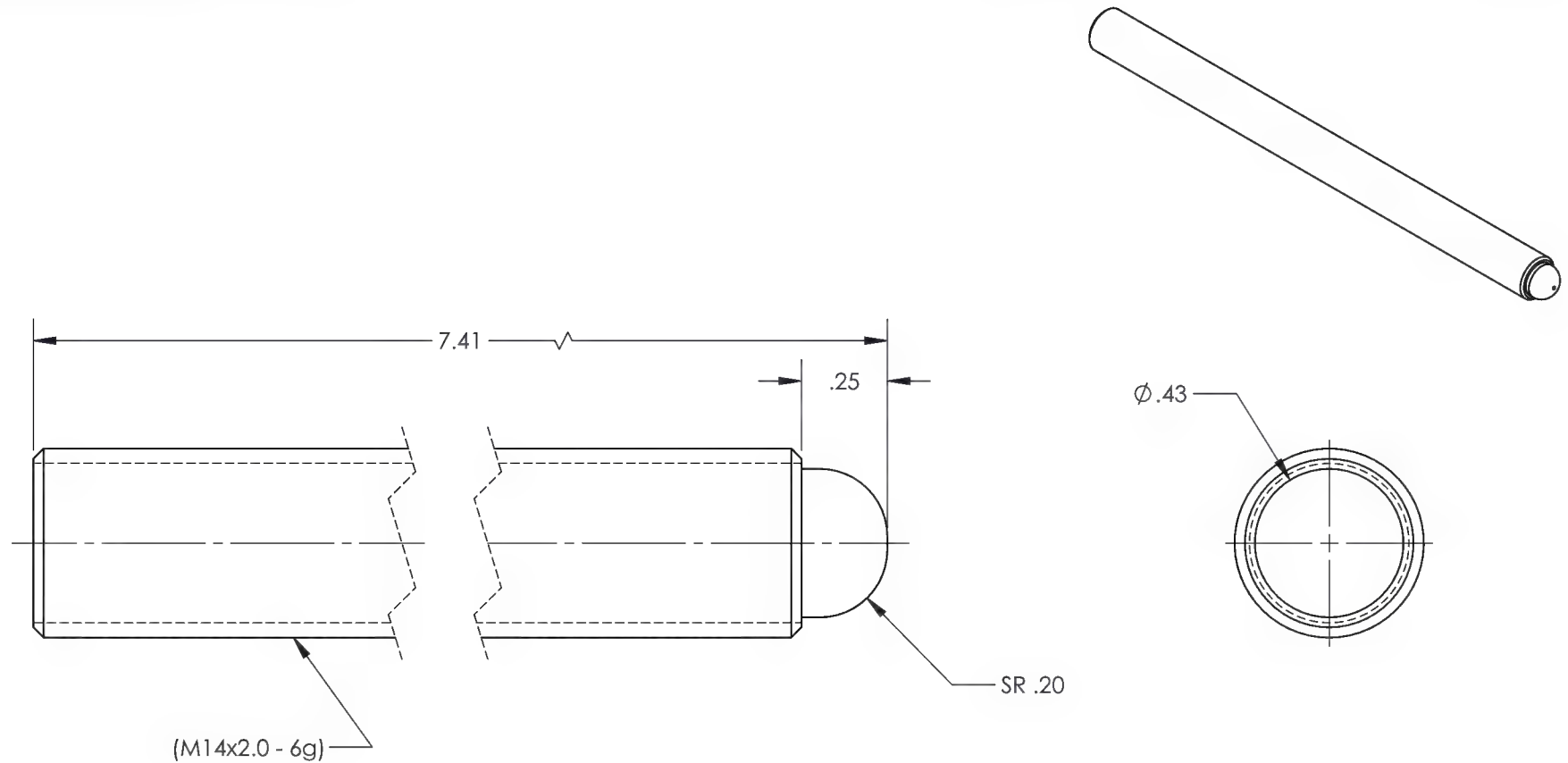


(-19)  
BOLT

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-19	REV 2
MAT'L HEAT TREAT FINISH ZINC PLATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
SPEC ASTM B633 TYPE I SC 2	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 4/6/2016
SHEET 11 OF 16	

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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



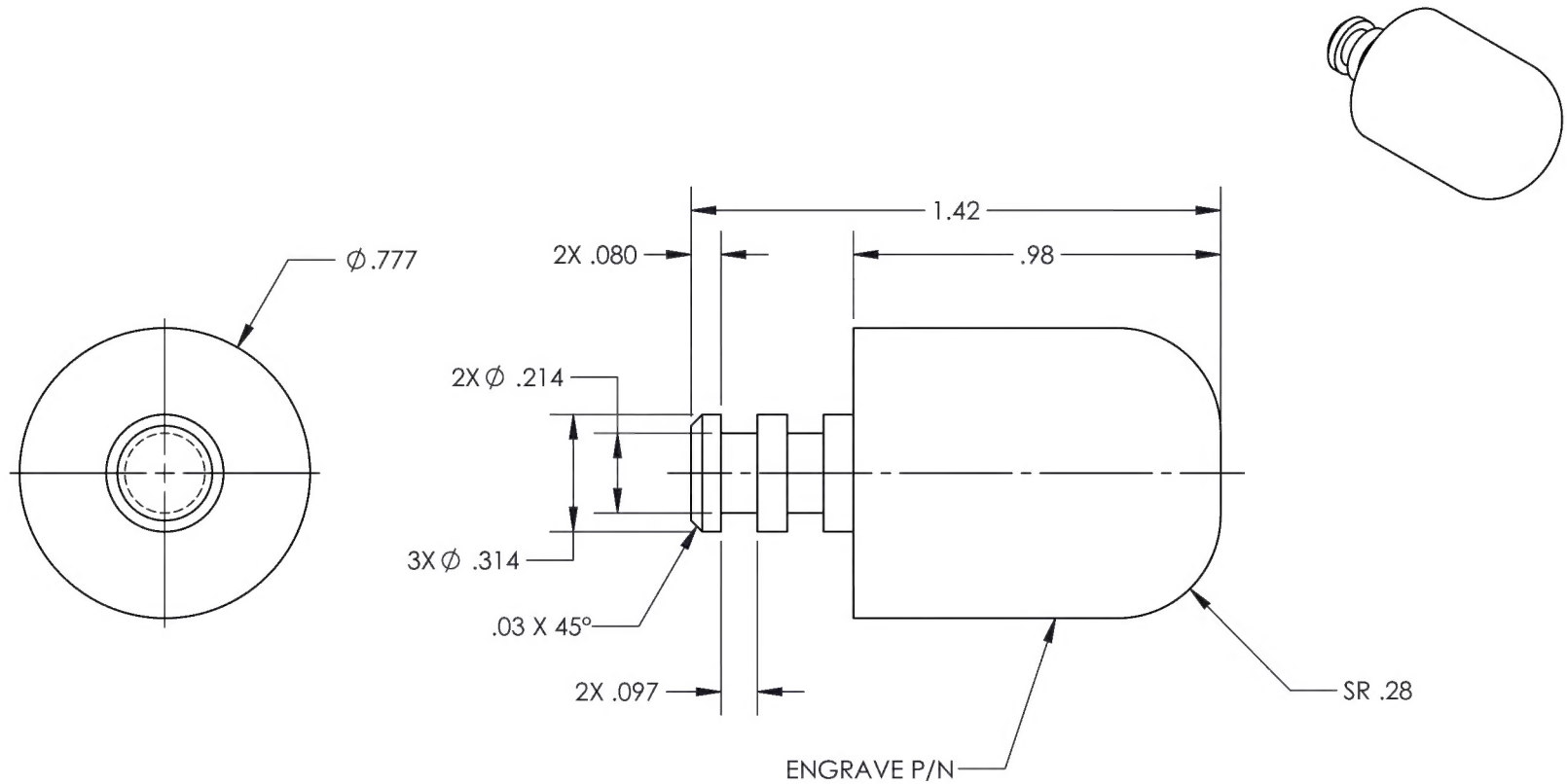
(-21)

THREADED ROD

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-21	REV 2
MAT'L B7	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -19	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
SPEC	.XX $\pm$ .01 ANGLES $\pm$ 5°
	.X $\pm$ .1 SURFACES = 125°
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 4/6/2016
	SHEET 12 OF 16

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



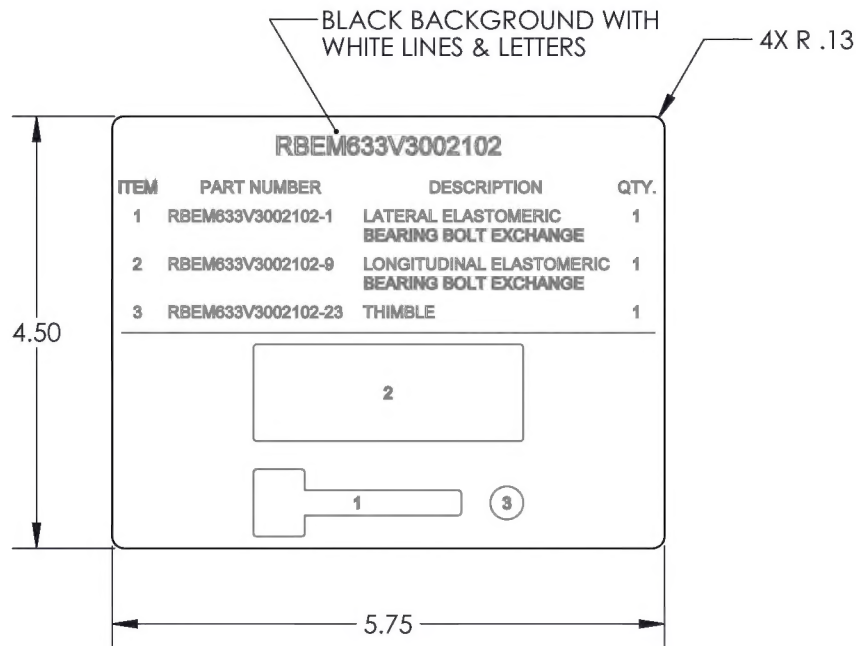
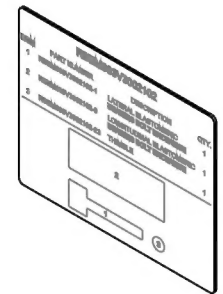
(-23)

THIMBLE

<b>DART</b> AEROSPACE	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-23	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX ± .005 FRACTIONS ± 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX ± .01 ANGLES ± 5°
DRAWN BY: DUERFELDT	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 2:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/6/2016	USED ON MODEL
SHEET 13 OF 16	H175

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REVISIONS			
REV	ECR	DESCRIPTION	DATE INITIAL APPROVED



NOTE:  
USE PDF.

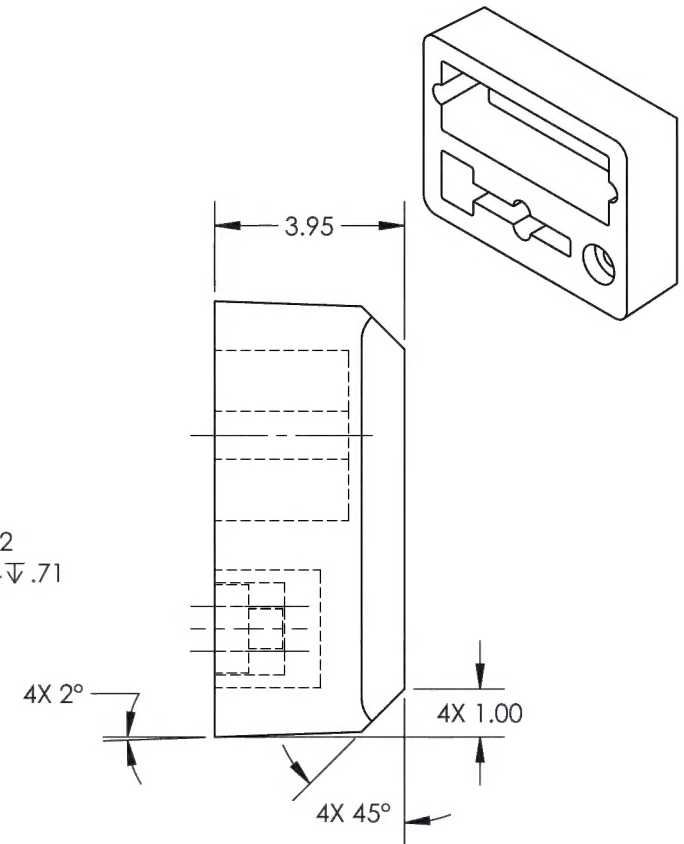
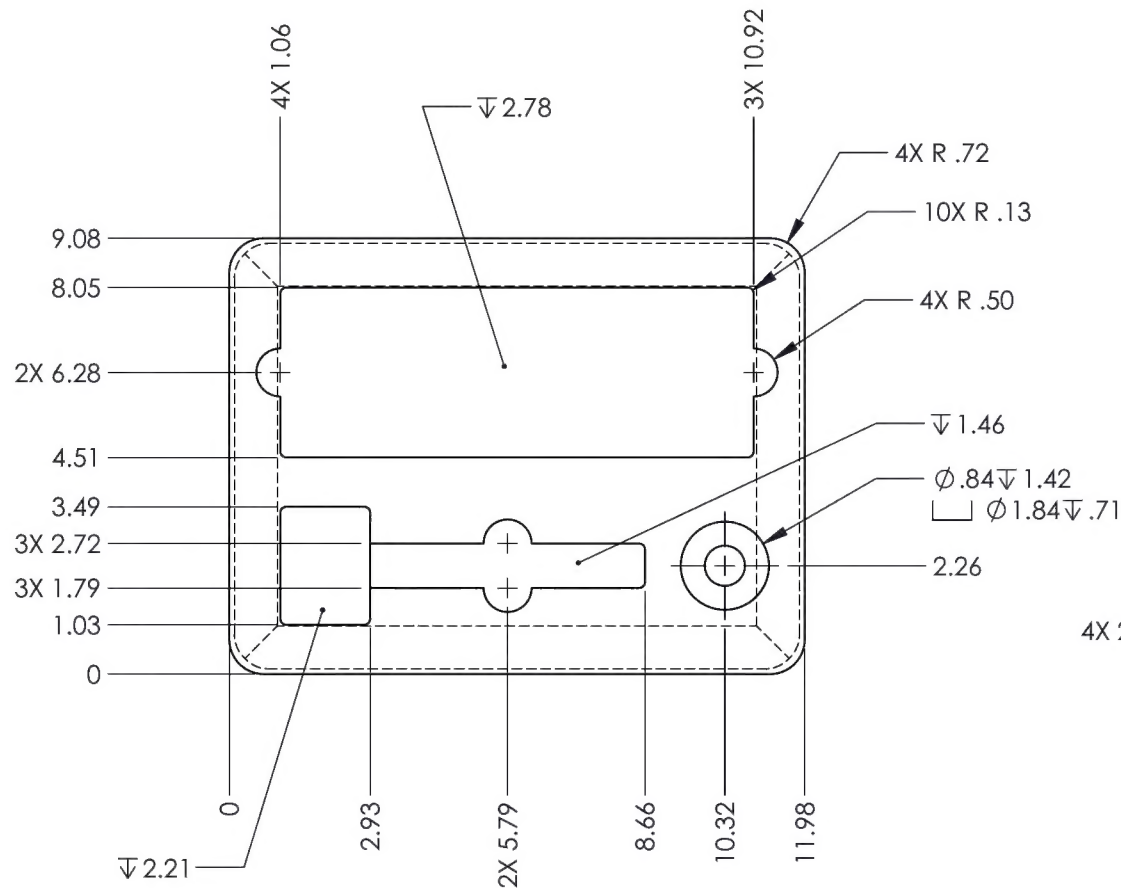
(25)  
PLACARD

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-25	REV 2
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .010 FRACTIONS ± 1/8
FINISH	.XX ± .03 ANGLES ± 1°
SPEC	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	H175
SCALE 1:2	DATE 4/6/2016 SHEET 14 OF 16



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REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
2	16-0180	-27 DELETED DIM 4X R.72. ADDED DIMS 4X 1.00, 4X 45°. CH'D MAT'L WAS Y-20, BLACK IS ETHAFOAM 220, BLACK.			10/20/2016	DPD	JAG

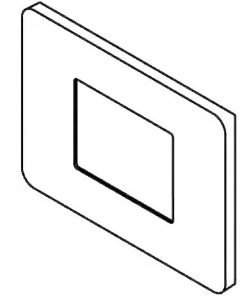
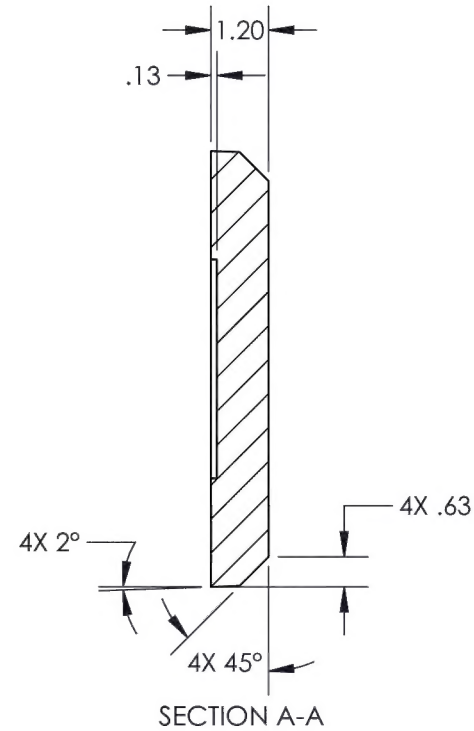
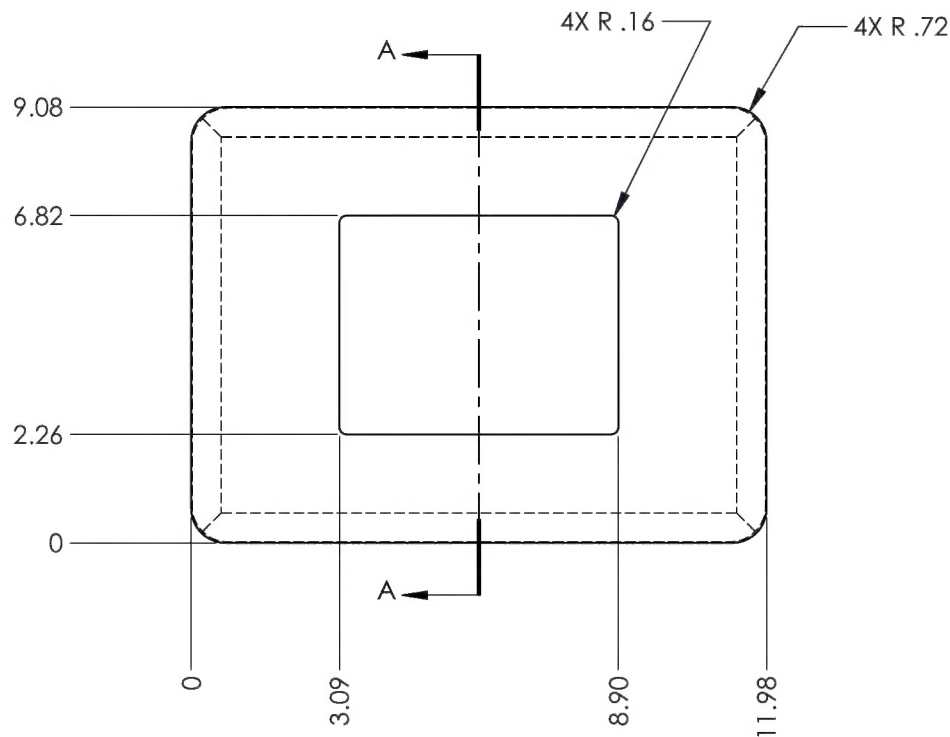


(27)  
BOTTOM FOAM

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-27	REV 2
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
FRACTIONS ± 1/8	
ANGLES ± 1°	
SURFACES = 125	
SPEC	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	H175
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:4	DATE 4/6/2016
SHEET 15 OF 16	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0180	-29 DELETED DIM 4X R.45. ADDED DIMS 4X .63, 4X 45°. CH'D MAT'L WAS Y-20, BLACK IS ETHAFOAM 220, BLACK.	10/20/2016	DPD	JAG



(-29)  
TOP FOAM

<b>DART AEROSPACE</b>	
TITLE ELASTOMERIC BEARING BOLT EXCHANGE	
DWG NO. RBEM633V3002102-29	REV 2
MAT'L ETHAFOAM 220, BLACK	
TREAT	
FINISH	
SPEC	
DRAWN BY: DUERFELDT	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: GILBERT	USED ON MODEL H175
SCALE 1:4	DATE 4/6/2016
SHEET 16 OF 16	